UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/902,809	07/10/2001	Adam W. Smith	MS1-863US	6339

22801	7590	02/02/2004

LEE & HAYES PLLC
421 W RIVERSIDE AVENUE SUITE 500
SPOKANE, WA 99201

EXAMINER
PATEL, HARESH N

ART UNIT	PAPER NUMBER
2154	

DATE MAILED: 02/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

Office Action Summary	**Application No.** 09/902,809	**Applicant(s)** SMITH ET AL.	
	Examiner Haresh Patel	**Art Unit** 2154	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____.
2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.
3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-31* is/are pending in the application.
    4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5)☐ Claim(s) _____ is/are allowed.
6)☒ Claim(s) *1-31* is/are rejected.
7)☐ Claim(s) _____ is/are objected to.
8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.
10)☒ The drawing(s) filed on *10 July 2001* is/are: a)☒ accepted or b)☐ objected to by the Examiner.
    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a)☐ All b)☐ Some * c)☐ None of:
      1.☐ Certified copies of the priority documents have been received.
      2.☐ Certified copies of the priority documents have been received in Application No. _____.
      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
    * See the attached detailed Office action for a list of the certified copies not received.
13)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
    a) ☐ The translation of the foreign language provisional application has been received.
14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) *4 and 5*.
4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

1.   Claims 1-31 are presented for examination.

Specification

2.   The following guidelines illustrate the preferred layout for the specification of a utility

application. These guidelines are suggested for the applicant's use.

Arrangement of the Specification

        As provided in 37 CFR 1.77(b), the specification of a utility application should include
the following sections in order. Each of the lettered items should appear in upper case, without
underlining or bold type, as a section heading. If no text follows the section heading, the phrase
"Not Applicable" should follow the section heading:

(a) TITLE OF THE INVENTION.
(b) CROSS-REFERENCE TO RELATED APPLICATIONS.
(c) STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR
        DEVELOPMENT.
(d) INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A
        COMPACT DISC (See 37 CFR 1.52(e)(5) and MPEP 608.05. Computer program
        listings (37 CFR 1.96(c)), "Sequence Listings" (37 CFR 1.821(c)), and tables
        having more than 50 pages of text are permitted to be submitted on compact
        discs.) or
        REFERENCE TO A "MICROFICHE APPENDIX" (See MPEP § 608.05(a).
        "Microfiche Appendices" were accepted by the Office until March 1, 2001.)
(e) BACKGROUND OF THE INVENTION.
        (1) Field of the Invention.
        (2) Description of Related Art including information disclosed under 37 CFR 1.97
        . and 1.98.
(f) BRIEF SUMMARY OF THE INVENTION.
(g) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).
(h) DETAILED DESCRIPTION OF THE INVENTION.
(i) CLAIM OR CLAIMS (commencing on a separate sheet).
(j) ABSTRACT OF THE DISCLOSURE (commencing on a separate sheet).
(k) SEQUENCE LISTING (See MPEP § 2424 and 37 CFR 1.821-1.825. A "Sequence
        Listing" is required on paper if the application discloses a nucleotide or amino
        acid sequence as defined in 37 CFR 1.821(a) and if the required "Sequence
        Listing" is not submitted as an electronic document on compact disc).

The disclosure is objected. Some of the informalities are:

    i.   The section "CROSS-REFERENCE TO RELATED APPLICATIONS" is missing co-pending applications and related arts. i.e., applications 09/902811, 09/902812 etc.

    ii.   Applicant needs to replace the DETAILED DESCRIPTION OF THE INVENTION section. The pages from 23 onwards containing pseudo code/code need to be placed just in the Compact disc and needs to be cited in the "INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A COMPACT DISC" section.

Appropriate correction is required.

3.   The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested: "APIs to build Web applications for Network software platform".

4.   The abstract of the disclosure is objected to because it needs further necessary description to describe the components used to build web applications. The information provided should supercede the well-known prior art information.

Correction is required. See MPEP § 608.01(b).

Information Disclosure Statement

5.   An initialed and dated copy of Applicant's IDS form 1449, Paper No. 4 and 5, is attached

to the instant Office action. However, unless the invention is created from scratch, applicant

needs to provide the prior arts, i.e., existing classes that have led to the invention. Applicant

needs to provide all prior art terms used in the claims. In response to this requirement, please

provide the title, citation and copy of each publication that is a source used for the description of

the prior art in the disclosure. For each publication, please provide a concise explanation of that

publication's contribution to the description of the prior art.

Claim Objections

6.   Claims 24-26 is objected to because of the following informalities:

Claims 24-26 mentions "an application programs interface as recited in claim 22", which

is incorrect. It should be "a method as recited in claim 22".

Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the
subject matter which the applicant regards as his invention.

7.   Claims 1-31 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for

failing to particularly point out and distinctly claim the subject matter which applicant regards as

the invention.

8.   The terms "HTTP output" and "server-side utilities" in claims 1, 15, 22, 27 and 28 are

relative terms, which render the claim indefinite.

9.   The term "output cache", in claim 5 is a relative term, which renders the claim indefinite.

10.   The term "web services", in claim 6 is a relative term, which renders the claim indefinite.

11.   The term "a web service class to define a base class for web services", in claims 7 and 16 is a relative term, which renders the claim indefinite.

12.   The terms "web method attribute class" and "programmatically expose a method", in claims 8, 16 and 31 are relative terms, which render the claim indefinite.

13.   The term "HTML controls", "HTML server controls", in claims 9 and 19 are relative terms, which render the claim indefinite.

14.   The term "the HTML server controls are executed on a server and map to standard HTML tags", in claim 10 is a relative term, which render the claim indefinite.

15.   The terms "web controls", "web server controls", in claims 11, 20 and 30 are relative terms, which render the claim indefinite.

16.   The term "form control", in claim 12 is a relative term, which renders the claim indefinite.

17.   The term "create controls", in claim 13 is a relative term, which renders the claim indefinite.

        Applicant needs to provide full, clear, concise and exact terms in the claims, rather using the vague and indefinite terms.

Claim Rejections - 35 USC § 102

18.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

19. Claims 1-6, 8-31 are rejected under 35 U.S.C. 102(b) as being anticipated by Deitel et al. Java How to Program book, Third edition, 1999, Pages 7-29, 698-699, 714-717, 876-878, 936-977, 980-998, 1002-1046 (Hereinafter Deitel).

20. As per claims 1, 14, 15, 21, 22, 27 and 28, Deitel teaches the following:

an application program interface embodied on one or more computer readable media (e.g., page 17) , comprising,

a network software architecture (e.g., chapter 21, page 1002) comprising,

a method comprising,

a first class to provide information regarding a current HTTP request (e.g., subclasses of HTTPServlet class, chapter 19, page 936),

a second class to manage HTTP output to a client (e.g., subclasses of HTTPServlet class, chapter 19, page 936),

an object to provide access to server-side utilities and processes (e.g., Servlets, chapter 19, page 936)

a set of classes that enable building and using web services (e.g., classes and subclasses of java.io.*, java.net.*, java.awt.*, java.awt.event.*, javax.swing.*, java.util.*, java.swing.*, java.swing.event.*, java.applet.AppletContext, etc., page 1005).

21.   As per claims 2-6, 8-13, 16-20, 23-26, 29-31, Deitel teaches the following:

a third class to manipulate at least one cookie, cookies (e.g., Cookie class, page 955),

a fourth class to handle file transfers (e.g., Subclasses of File Class, page 876),

a fifth class to provide exception information (e.g., Exception classes, page 714),

a set of classes that enable building and using web services (e.g., classes and subclasses

of section 21.3, Reading a file on a web server class, page 1008),

a sixth class to control operation of an output cache (e.g., create the ObjectOutputStream

first and flush the stream, page 1018),

a set of classes that allow a user to create controls and pages that represent a user

interface on a web page (e.g., chapter 21.2, classes to manipulating URLs and creating objects on

the web page, page 1004, classes and subclasses of java.io.*, java.net.*, java.awt.*,

java.awt.event.*, javax.swing.*, java.util.*, java.swing.*, java.swing.event.*,

java.applet.AppletContext, etc., pages 1005-1036),

HTML controls that allow a user to create HTML server controls on a web page (e.g.,

chapter 21.2, classes to manipulating URLs and creating objects including control objects on the

web page, pages 1004-1036, the servlet API, page 939, servlet runninig on a server including a

web server, page 945, pages 936-977),

the HTML server controls are executed on a server and map to standard HTML tags (e.g.,

form control mapping to the HTML document, page 953, servlet running on a server including a

web server, page 945, pages 936-977),

web controls that allow a user to create web server controls on a web page (e.g., chapter

21.2, classes to manipulating URLs and creating objects including control objects on the web

page, pages 1004-1036, the servlet API, page 939, servlet runninig on a server including a web

server, page 945, pages 936-977),

the web controls are executed on a web server and include form controls (e.g., servlet

running on a server including a web server, page 945, form control, page 953, pages 936-977),

a web method attribute class to programmatically expose a method over the web (e.g.,

classes and subclasses of java.rmi.*, java.rmi.server.*, classes used to build distributed

applications for web servers, page 984, 980-998).

Claim Rejections - 35 USC § 103

22.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in
> section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are
> such that the subject matter as a whole would have been obvious at the time the invention was made to a person
> having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the
> manner in which the invention was made.

23.   Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Deitel in view of

"Official Notice".

24.   As per claim 7, Deitel teaches the following:

a web service class (e.g., classes and subclasses of section 21.3, Reading a file on a web

server class, page 1008),

Deitel also teaches the following:

to define a base class (e.g., defining a base class, public class ReadServerFile extends

Jframe, Container c, enter = new JtextField(), etc., page 1008).

However, Deitel does not specifically mention of defining a base class for web services. "Official Notice" is taken that both the concept and advantages of providing a base class for web services is well known and expected in the art.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to include a base class for web services with the teachings of Deitel in order to facilitate creation of a base class for web services. Defining a base class helps the object-oriented programmers to define objects, i.e., other classes and subclasses that can use the existing functionality of the base class. Hence, different web services would benefit the characteristic of the defined base class.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Haresh Patel whose telephone number is (703) 605-5234. The examiner can normally be reached on Monday, Tuesday, Thursday and Friday from 10:00 am to 8:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee, can be reached at (703) 305-8498.

The appropriate fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Haresh Patel

January 23, 2004

RUPAL DHARIA
SUPERVISORY PATENT EXAMINER